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March 30, 2020

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of February 2020.

Sincerely,

Katie M Brown

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		February 2020
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	100,076,281
	MWH sales:		
2	Total System Sales		5,543,983
3	Less intersystem sales		675,650
4	Total sales less intersystem sales		4,868,333
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.0557
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.5077
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		144,965
8	Oil		2,381
9	Natural Gas - Combustion Turbine		142,432
10	Natural Gas - Combined Cycle		1,950,196
11	Biogas		1,330
12	Total Fossil		2,241,303
13	Nuclear		2,530,717
14	Hydro - Conventional		81,771
15	Solar Distributed Generation		15,790
16	Total MWH generation		4,869,581

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		February 2020
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	6,149,834
0501310 fuel oil consumed - steam		522,213
Total Steam Generation - Account 501		6,672,047
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		14,783,927
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		5,374,769
0547000 natural gas capacity - Combustion Turbine		989,037
0547000 natural gas consumed - Combined Cycle		37,340,690
0547000 natural gas capacity - Combined Cycle		11,804,849
0547106 biogas consumed - Combined Cycle		63,452
0547200 fuel oil consumed		120,325
Total Other Generation - Account 547		55,693,121
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		28,443,823
Fuel and fuel-related component of DERP purchases		39,858
PURPA purchased power capacity		4,957,093
DERP purchased power capacity		9,412
Total Purchased Power and Net Interchange - Account 555		33,450,186
Less:		
Fuel and fuel-related costs recovered through intersystem sales		10,752,280
Solar Integration Charge		1
Total Fuel Credits - Accounts 447/456		10,752,281
Total Costs Included in Base Fuel Component	$	99,847,000
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	325
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		265,965
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		20,901
Less emissions expense recovered through intersystem sales - Account 447		16,108
Total Costs Included in Environmental Component		229,281
Fuel and Fuel-related Costs excluding DERP incremental costs	$	100,076,281
DERP Incremental Costs		218,897
Total Fuel and Fuel-related Costs	$	100,295,178

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		February 2020
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	4,507
Shared Solar Program		691
Total DERP Avoided Costs		5,198
DERP Incremental Costs		
Purchased Power Agreements		3,056
DERP NEM Incentive		90,634
Solar Rebate Program - Amortization		47,121
Solar Rebate Program - Carrying Costs		40,501
Shared Solar Program		433
NEM Avoided Capacity Costs		2,662
NEM Meter Costs		9,869
General and Administrative Expenses		24,609
Interest on under-collection due to cap		11
Total DERP Incremental Costs	$	218,897

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

FEBRUARY 2020

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 2,875,541	$ 2,292,070	7,663	$ 583,471	-
City of Fayetteville	1,055,434	1,053,000	6,018	2,434	-
Haywood EMC	28,550	28,550	-	-	-
NCEMC	3,562,360	3,253,861	6,940	308,499	-
PJM Interconnection, LLC.	450	-	-	450	-
Southern Company Services	5,214,280	1,832,863	145,588	3,381,417	-
DE Carolinas - Native Load Transfer	1,309,692	-	57,872	1,302,042	$ 7,650
DE Carolinas - Native Load Transfer Benefit	191,192	-	-	191,192	-
Energy Imbalance	5,063	-	244	4,346	717
Generation Imbalance	1,020	-	59	910	110
	$ 14,243,582	**$ 8,460,344**	**224,384**	**$ 5,774,761**	**$ 8,477**
Act 236 PURPA Purchases					
Renewable Energy	$ 14,819,681	-	221,986	$ 14,819,681	-
DERP Net Metering Excess Generation	(51)	-	(1)	(51)	-
DERP Qualifying Facilities	49,321	-	1,026	49,321	-
Other Qualifying Facilities	12,806,474	-	239,059	12,806,474	-
	$ 27,675,425	-	**462,070**	**$ 27,675,425**	-
Total Purchased Power	**$ 41,919,007**	**$ 8,460,344**	**686,454**	**$ 33,450,186**	**$ 8,477**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

FEBRUARY 2020

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Utilities:					
DE Carolinas - Emergency	$ 4,512	-	177	$ 2,752	$ 1,760
DE Carolinas - As Available Capacity	10,080	$ 10,080	-	-	-
Market Based:					
NCEMC Purchase Power Agreement	$ 909,045	$ 652,500	9,289	$ 196,559	$ 59,985
PJM Interconnection, LLC.	278,516	-	14,450	229,314	49,202
Other:					
DE Carolinas - Native Load Transfer Benefit	$ 1,015,984	-	-	$ 1,015,984	-
DE Carolinas - Native Load Transfer	9,731,445	-	651,729	9,344,680	$ 386,766
Generation Imbalance	-	-	5	-	-
Total Intersystem Sales	**$ 11,949,582**	**$ 662,580**	**675,650**	**$ 10,789,289**	**$ 497,713**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
(OVER) / UNDER RECOVERY OF FUEL COSTS
FEBRUARY 2020

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					4,868,332,707
2	DERP Net Metered kWh generation	Input					2,293,273
3	Adjusted System kWh sales	L1 + L2					4,870,625,980
4	Actual S.C. Retail kWh sales	Input	183,399,692	21,900,092	301,984,157	6,357,077	513,641,018
5	DERP Net Metered kWh generation	Input	1,211,902	26,492	1,054,880		2,293,273
6	Adjusted S.C. Retail kWh sales	L4 + L5	184,611,594	21,926,584	303,039,037	6,357,077	515,934,291
7	Actual S.C. Demand units (kw)	L32 / 31b *100			669,000		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$82,046,751
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$73,637
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$82,120,388
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					1.686
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$3,112,613	$369,690	$5,109,340	$107,182	$8,698,825
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($44,851)	($4,687)	($24,099)	$0	($73,637)
14	S.C. Retail portion of incurred system expense	L12 + L13	$3,067,762	$365,003	$5,085,241	$107,182	$8,625,188
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.076	2.075	2.075	2.075	2.075
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,806,683	$454,427	$6,266,171	$131,909	$10,659,190
17	DERP NEM incentive - fuel component	Input	($7,076)	($739)	($3,802)	$0	($11,617)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,799,607	$453,688	$6,262,369	$131,909	$10,647,573
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($731,845)	($88,685)	($1,177,128)	($24,727)	($2,022,385)
20	Adjustment	Input	$ (287)	$ (41)	$ (527)	$ (11)	$ (866)
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($732,132)	($88,726)	($1,177,655)	($24,738)	($2,023,251)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.622	0.544			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			92		
23	Incurred S.C. base fuel - capacity expense	Input	$1,140,703	$119,214	$612,927		$1,872,844
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.692	0.522			
24b	Billed base fuel - capacity rate (¢/kW)	Input			92		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,269,502	$114,318	$ 615,481	$0	$1,999,301
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	($128,799)	$4,896	($2,554)	$0	($126,457)
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	($128,799)	$4,896	($2,554)	$0	($126,457)
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.008	0.007			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			1		
30	Incurred S.C. environmental expense	Input	$14,734	$1,540	$7,917		$24,191
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.074	0.057			
31b	Billed environmental rate (¢/kW)	Input			10		
32	Billed S.C. environmental revenue	L31a * L4 /100	$136,603	$12,483	$ 66,900		$215,986
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	($121,869)	($10,943)	($58,983)	$0	($191,795)
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($121,869)	($10,943)	($58,983)	$0	($191,795)
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.002	0.002			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.254		
37	Incurred S.C. DERP avoided cost expense	Input	$3,166	$331	$1,701		$5,198
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.003	0.003			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$5,464	$657	$0		$6,121
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	($2,298)	($326)	$1,701	$0	($923)
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	($2,298)	($326)	$1,701	$0	($923)
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($985,098)	($95,099)	($1,237,491)	($24,738)	($2,342,426)

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
February 2020

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$13,424,397					
March 2019 - actual	13,142,207	(113,956)	(15,296)	(148,555)	(4,383)	($282,190)
April 2019 - actual	12,482,712	(178,213)	(25,629)	(447,263)	(8,390)	(659,495)
May 2019 - actual	12,391,437	(39,695)	(9,623)	(40,702)	(1,255)	(91,275)
June 2019 - actual	11,820,549	(204,177)	(33,436)	(326,075)	(7,200)	(570,888)
July 2019 - actual	11,960,164	30,794	2,958	104,254	1,609	139,615
August 2019 - actual	12,138,158	50,982	6,141	118,902	1,969	177,994
September 2019 - actual	12,149,907	(5,068)	(2,111)	18,664	264	11,749
October 2019 - actual	11,737,925	(133,360)	(23,159)	(250,457)	(5,006)	(411,982)
November 2019 - actual	13,112,022	421,754	66,634	865,157	20,552	1,374,097
December 2019 - actual	12,259,051	(336,447)	(44,004)	(461,528)	(10,992)	(852,971)
January 2020 - actual	10,208,145	(755,940)	(93,126)	(1,176,828)	(25,012)	(2,050,906)
February 2020 - actual	8,184,894	(732,132)	(88,726)	(1,177,655)	(24,738)	(2,023,251)
_/5 March 2020 - forecast	7,333,993	(315,215)	(38,779)	(485,292)	(11,615)	(850,901)
_/5 April 2020 - forecast	5,184,483	(677,876)	(108,128)	(1,331,673)	(31,833)	(2,149,510)
_/5 May 2020 - forecast	4,013,070	(331,416)	(61,776)	(760,065)	(18,156)	(1,171,413)
_/5 June 2020 - forecast	$ 3,843,972	($53,326)	($8,490)	($104,793)	($2,489)	($169,098)

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$574,929					
March 2019 - actual	320,452	(158,950)	9,884	(105,411)	0	($254,477)
April 2019 - actual	800,238	332,772	51,683	95,331	0	479,786
May 2019 - actual	924,824	125,236	18,384	(19,034)	0	124,586
June 2019 - actual	844,129	(99,572)	(1,971)	20,848	0	(80,695)
July 2019 - actual	1,259,813	196,610	25,312	193,762	0	415,684
August 2019 - actual	2,465,773	642,873	56,685	506,402	0	1,205,960
September 2019 - actual	2,674,275	77,548	(4,581)	135,535	0	208,502
October 2019 - actual	2,816,302	164,898	(4,727)	(18,144)	0	142,027
November 2019 - actual	3,042,516	180,886	3,234	42,094	0	226,214
December 2019 - actual	2,626,937	(315,125)	(20,869)	(79,585)	0	(415,579)
January 2020 - actual	2,407,032	(191,220)	(3,230)	(25,455)	0	(219,905)
February 2020 - actual	2,280,575	(128,799)	4,896	(2,554)	0	(126,457)
_/5 March 2020 - forecast	2,179,427	(108,014)	14,689	(7,823)	0	(101,148)
_/5 April 2020 - forecast	2,563,094	256,657	19,529	107,481	0	383,667
_/5 May 2020 - forecast	2,916,333	350,538	12,041	(9,340)	0	353,239
_/5 June 2020 - forecast	$ 2,893,653	$66,293	($565)	($88,408)	$0	($22,680)

Year 2019-2020

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$199,207					
March 2019 - actual	275,991	40,490	5,702	30,592	0	$76,784
April 2019 - actual	324,903	24,694	3,770	20,448	0	48,912
May 2019 - actual	427,128	57,448	6,955	37,822	0	102,225
June 2019 - actual	515,935	46,245	6,142	36,420	0	88,807
July 2019 - actual	585,999	35,423	4,025	30,616	0	70,064
August 2019 - actual	533,582	(41,088)	(5,683)	(5,646)	0	(52,417)
September 2019 - actual	496,704	(27,209)	(4,454)	(5,215)	0	(36,878)
October 2019 - actual	392,969	(54,170)	(8,236)	(41,329)	0	(103,735)
November 2019 - actual	331,861	(32,108)	(5,216)	(23,784)	0	(61,108)
December 2019 - actual	287,628	(33,088)	(2,358)	(8,787)	0	(44,233)
January 2020 - actual	105,066	(116,838)	(10,597)	(55,127)	0	(182,562)
February 2020 - actual	(86,729)	(121,869)	(10,943)	(58,983)	0	(191,795)
_/5 March 2020 - forecast	(157,842)	(47,707)	(2,388)	(21,018)	0	(71,113)
_/5 April 2020 - forecast	(313,635)	(91,875)	(10,585)	(53,333)	0	(155,793)
_/5 May 2020 - forecast	(446,084)	(65,502)	(9,693)	(57,254)	0	(132,449)
_/5 June 2020 - forecast	$ (519,174)	($35,263)	($4,701)	($33,126)	$0	($73,090)

Year 2019-2020

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$19,288					
March 2019 - actual	17,381	(2,803)	(12)	908	0	($1,907)
April 2019 - actual	21,608	1,112	352	2,763	0	4,227
May 2019 - actual	24,699	471	253	2,367	0	3,091
June 2019 - actual	28,250	252	306	2,993	0	3,551
July 2019 - actual	25,974	(3,344)	(290)	1,358	0	(2,276)
August 2019 - actual	21,827	(4,411)	(739)	1,003	0	(4,147)
September 2019 - actual	24,134	(329)	(311)	2,947	0	2,307
October 2019 - actual	24,317	(1,209)	(413)	1,805	0	183
November 2019 - actual	23,299	(1,750)	(409)	1,141	0	(1,018)
December 2019 - actual	18,628	(4,610)	(610)	549	0	(4,671)
January 2020 - actual	13,562	(4,856)	(607)	397	0	(5,066)
February 2020 - actual	12,639	(2,298)	(326)	1,701	0	(923)
_/5 March 2020 - forecast	16,623	1,935	135	1,914	0	3,984
_/5 April 2020 - forecast	22,851	3,649	170	2,409	0	6,228
_/5 May 2020 - forecast	29,362	4,259	157	2,095	0	6,511
_/5 June 2020 - forecast	$ 33,590	$2,612	$51	$1,565	$0	$4,228

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
February 2020

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$133,536	$52,858	$32,850	$219,244
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	2.02	99.56	
46	Billed S.C. DERP incremental revenue	Input	$138,431	$64,913	$26,105	$229,449
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	($4,895)	($12,055)	$6,745	($10,205)
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	($4,895)	($12,055)	$6,745	($10,205)

Year 2019-2020

Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2019	$6,239	
March 2019 - actual	107,362	$101,123
April 2019 - actual	(62,019)	(169,381)
May 2019 - actual	13,138	75,157
June 2019 - actual	48,966	35,828
July 2019 - actual	95,723	46,757
August 2019 - actual	82,651	(13,072)
September 2019 - actual	85,703	3,052
October 2019 - actual	73,484	(12,219)
November 2019 - actual	65,969	(7,515)
December 2019 - actual	60,038	(5,931)
January 2020 - actual	55,225	(4,813)
February 2020 - actual	45,020	(10,205)
_/5 March 2020 - forecast	67,033	22,013
_/5 April 2020 - forecast	108,674	41,641
_/5 May 2020 - forecast	152,793	44,119
_/5 June 2020 - forecast	$201,167	$48,374

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of 2.090 and RECD 5% discount.
_/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .697 and RECD 5% discount.
_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/19 approved residential rate of .075 and RECD 5% discount.
_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .003 and RECD 5% discount.
_/5 Forecast amounts based on low end of range of expected fuel rates.

DUKE ENERGY PROGRESS
FUEL & FUEL-RELATED COST REPORT
FEBRUARY 2020

Description	Asheville Steam	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)								
Coal	$331,685	$92,244	$311,424	-	-	-	-	-
Oil	(9,579,656)	105,219	330,492	$9,579,656	-	-	-	-
Gas - CC	-	-	-	8,454,389	$14,695,217	$11,202,324	$14,793,609	-
Gas - CT	-	-	-	363,434	5,273,978	597,212	-	-
Biogas	-	-	-	-	291,668	-	-	-
Total	($9,247,971)	$197,463	$641,916	$18,397,479	$19,969,195	$11,799,536	$14,793,609	-
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	-	-
Oil	-	1,446.31	1,447.43	1,516.30	-	-	-	-
Gas - CC	-	-	-	423.27	310.33	412.93	349.32	-
Gas - CT	-	-	-	437.02	314.62	392.09	-	-
Biogas	-	-	-	-	3,053.80	-	-	-
Weighted Average	-	2,714.27	2,811.35	423.82	315.82	411.83	349.32	-
Cost of Fuel Burned ($)								
Coal	-	$851,054	$5,298,780	-	-	-	-	-
Oil - CC	-	-	-	$1,823	-	-	-	-
Oil - Steam/CT	$682	190,995	330,536	19,858	$10,753	-	-	$9,501
Gas - CC	-	-	-	8,454,389	14,695,217	$11,202,324	$14,793,609	-
Gas - CT	-	-	-	363,434	5,273,978	597,212	-	-
Biogas	-	-	-	-	291,668	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Total	$682	$1,042,049	$5,629,316	$8,839,504	$20,271,616	$11,799,536	$14,793,609	$9,501
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	332.36	346.30	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	1,466.03	1,448.89	1,521.69	1,661.98	-	-	1,684.52
Gas - CC	-	-	-	423.27	310.33	412.93	349.32	-
Gas - CT	-	-	-	437.02	314.62	392.09	-	-
Biogas	-	-	-	-	3,053.80	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Weighted Average	-	387.24	362.50	424.59	315.66	411.83	349.32	1,684.52
Average Cost of Generation (¢/kWh)								
Coal	-	6.94	3.99	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	30.63	16.73	32.37	18.45	-	-	-
Gas - CC	-	-	-	3.24	2.03	2.96	2.53	-
Gas - CT	-	-	-	7.97	4.37	4.12	-	-
Biogas	-	-	-	-	21.92	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Weighted Average	-	8.09	4.18	3.33	2.39	3.00	2.53	-
Burned MBTU's								
Coal	-	256,065	1,530,103	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	13,028	22,813	1,305	647	-	-	564
Gas - CC	-	-	-	1,997,404	4,735,397	2,712,861	4,234,936	-
Gas - CT	-	-	-	83,162	1,676,284	152,315	-	-
Biogas	-	-	-	-	9,551	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Total	-	269,093	1,552,916	2,081,871	6,421,879	2,865,176	4,234,936	564
Net Generation (mWh)								
Coal	-	12,255	132,710	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	623	1,976	61	58	-	-	(98)
Gas - CC	-	-	-	260,936	725,040	379,032	585,188	-
Gas - CT	-	-	-	4,560	120,681	14,499	-	-
Biogas	-	-	-	-	1,330	-	-	-
Nuclear	-	-	-	-	-	-	-	-
Hydro (Total System)	-	-	-	-	-	-	-	-
Solar (Total System)	-	-	-	-	-	-	-	-
Total	-	12,878	134,686	265,557	847,109	393,531	585,188	(98)
Cost of Reagents Consumed ($)								
Ammonia	-	-	$17,583	-	$18,241	-	-	-
Limestone	-	$30,462	148,461	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	6,256	44,962	-	-	-	-	-
Urea	-	-	-	-	-	-	-	-
Total	-	$36,718	$211,006	-	$18,241	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Asheville Steam was retired effective January 29, 2020.

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME February 2020
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$735,353	$370,669,233
Oil	-	-	-	$13,631	$11,590	-	460,932	12,782,954
Gas - CC	-	-	-	-	-	-	49,145,539	533,960,352
Gas - CT	-	$129,158	$24	-	-	-	6,363,806	97,676,361
Biogas	-	-	-	-	-	-	291,668	2,172,839
Total	-	$129,158	$24	$13,631	$11,590	-	$56,997,298	$1,017,261,739
Average Cost of Fuel Purchased (¢/MBTU								
Coal	-	-	-	-	-	-		340.01
Oil	-	-	-	1,315.73	1,115.50	-	1,432.22	1,487.00
Gas - CC	-	-	-	-	-	-	359.24	380.01
Gas - CT	-	335.41	-	-	-	-	326.30	375.58
Biogas	-	-	-	-	-	-	3,053.80	2,846.56
Weighted Average	-	335.41	-	1,315.73	1,115.50	-	363.81	367.97
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$6,149,834	$327,305,106
Oil - CC	-	-	-	-	-	-	1,823	525,794
Oil - Steam/CT	$833	$75,596	$1,961	-	-	-	640,715	10,936,018
Gas - CC	-	-	-	-	-	-	49,145,539	533,960,352
Gas - CT	-	129,158	24	-	-	-	6,363,806	97,676,361
Biogas	-	-	-	-	-	-	291,668	2,172,839
Nuclear	-	-	-	$7,746,569	$3,947,181	$3,090,177	14,783,927	176,409,988
Total	$833	$204,754	$1,985	$7,746,569	$3,947,181	$3,090,177	$77,377,311	$1,148,986,459
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	344.30	342.77
Oil - CC	-	-	-	-	-	-	-	1,568.41
Oil - Steam/CT	1,735.42	1,743.85	1,594.31	-	-	-	1,494.80	1,443.47
Gas - CC	-	-	-	-	-	-	359.24	380.01
Gas - CT	-	335.41	-	-	-	-	326.30	375.58
Biogas	-	-	-	-	-	-	3,053.80	2,846.56
Nuclear	-	-	-	57.41	56.40	55.67	56.77	58.69
Weighted Average	1,735.42	477.92	1,613.82	57.41	56.40	55.67	177.83	203.92
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	4.24	3.73
Oil - CC	-	-	-	-	-	-	-	15.77
Oil - Steam/CT	-	84.27	-	-	-	-	26.91	18.44
Gas - CC	-	-	-	-	-	-	2.52	2.73
Gas - CT	-	4.51	-	-	-	-	4.47	4.30
Biogas	-	-	-	-	-	-	21.92	19.44
Nuclear	-	-	-	0.60	0.57	0.56	0.58	0.61
Weighted Average	-	6.93	-	0.60	0.57	0.56	1.59	1.90
Burned MBTU's								
Coal	-	-	-	-	-	-	1,786,168	95,487,987
Oil - CC	-	-	-	-	-	-	-	33,524
Oil - Steam/CT	48	4,335	123	-	-	-	42,863	757,619
Gas - CC	-	-	-	-	-	-	13,680,598	140,510,365
Gas - CT	-	38,508	-	-	-	-	1,950,269	26,006,921
Biogas	-	-	-	-	-	-	9,551	76,332
Nuclear	-	-	-	13,493,000	6,998,444	5,550,652	26,042,096	300,587,131
Total	48	42,843	123	13,493,000	6,998,444	5,550,652	43,511,545	563,459,879
Net Generation (mWh)								
Coal	-	-	-	-	-	-	144,965	8,783,377
Oil - CC	-	-	-	-	-	-	-	3,335
Oil - Steam/CT	(267)	90	(63)	-	-	-	2,381	59,311
Gas - CC	-	-	-	-	-	-	1,950,196	19,530,891
Gas - CT	(158)	2,863	(13)	-	-	-	142,432	2,274,042
Biogas	-	-	-	-	-	-	1,330	11,180
Nuclear	-	-	-	1,286,568	694,486	549,663	2,530,717	28,833,643
Hydro (Total System)	-	-	-	-	-	-	81,771	671,447
Solar (Total System)	-	-	-	-	-	-	15,790	258,701
Total	(425)	2,953	(76)	1,286,568	694,486	549,663	4,869,581	60,425,926
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$35,824	$2,002,461
Limestone	-	-	-	-	-	-	178,923	10,357,246
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	51,218	3,085,936
Urea	-	-	-	-	-	-	-	767,726
Total	-	-	-	-	-	-	$265,965	$16,213,369

DUKE ENERGY PROGRESS
FUEL & FUEL-RELATED CONSUMPTION AND INVENTORY REPORT
FEBRUARY 2020

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	585,974	1,247,348	-	-	-	-	-
Tons received during period	-	-	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	10,159	61,079	-	-	-	-	-
Ending balance	575,815	1,186,269	-	-	-	-	-
MBTUs per ton burned	25.21	25.05	-	-	-	-	-
Cost of ending inventory ($/ton)	83.77	86.74	-	-	-	-	-
Oil Data:							
Beginning balance	301,843	424,389	4,578,444	8,011,782	2,608,517	-	762,388
Gallons received during period	52,718	165,460	-	-	-	-	-
Miscellaneous use and adjustments	(490)	-	-	-	-	-	-
Gallons burned during period	94,516	164,960	10,668	4,620	-	-	4,016
Ending balance	259,555	424,889	4,567,776	8,007,162	2,608,517	-	758,372
Cost of ending inventory ($/gal)	2.02	2.00	2.09	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	2,016,718	6,196,051	2,768,933	4,092,709	-
MCF burned during period	-	-	2,016,718	6,196,051	2,768,933	4,092,709	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	9,226	-	-	-
MCF burned during period	-	-	-	9,226	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	13,650	119,642	5,379	-	-	-	-
Tons received during period	-	7,454	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	575	3,617	-	-	-	-	-
Ending balance	13,075	123,479	5,379	-	-	-	-
Cost of ending inventory ($/ton)	53.47	37.99	64.37	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.
Asheville Steam was retired effective January 29, 2020.

DUKE ENERGY PROGRESS
FUEL & FUEL-RELATED CONSUMPTION AND INVENTORY REPORT
FEBRUARY 2020

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME February 2020
Coal Data:								
Beginning balance	-	-	-	-	-	-	1,833,322	1,228,431
Tons received during period	-	-	-	-	-	-	-	4,317,833
Inventory adjustments	-	-	-	-	-	-	-	63,924
Tons burned during period	-	-	-	-	-	-	71,238	3,808,944
Ending balance	-	-	-	-	-	-	1,762,084	1,762,084
MBTUs per ton burned	-	-	-	-	-	-	25.07	25.07
Cost of ending inventory ($/ton)	-	-	-	-	-	-	85.04	85.04
Oil Data:								
Beginning balance	10,082,905	11,355,102	601,899	164,675	282,004	78,040	39,251,988	38,601,682
Gallons received during period	-	-	-	7,510	7,527	-	233,215	6,229,343
Miscellaneous use and adjustments	-	-	-	-	-	-	(490)	(180,465)
Gallons burned during period	348	31,490	881	10,517	-	-	322,016	5,487,863
Ending balance	10,082,557	11,323,612	601,018	161,668	289,531	78,040	39,162,697	39,162,697
Cost of ending inventory ($/gal)	2.39	2.40	2.23	2.33	2.33	2.33	2.36	2.36
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	37,156	-	-	-	-	15,111,567	161,313,100
MCF burned during period	-	37,156	-	-	-	-	15,111,567	161,313,100
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	9,226	73,935
MCF burned during period	-	-	-	-	-	-	9,226	73,935
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	138,671	92,164
Tons received during period	-	-	-	-	-	-	7,454	269,268
Inventory adjustments	-	-	-	-	-	-	-	12,499
Tons consumed during period	-	-	-	-	-	-	4,192	231,998
Ending balance	-	-	-	-	-	-	141,933	141,933
Cost of ending inventory ($/ton)	-	-	-	-	-	-	40.41	40.41

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

FEBRUARY 2020

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	-	-
	CONTRACT	-	-	-
	FIXED TRANSPORTATION/ADJUSTMENTS	-	$ 331,685	-
	TOTAL	-	331,685	-
MAYO	SPOT	-	-	-
	CONTRACT	-	17,728	-
	FIXED TRANSPORTATION/ADJUSTMENTS	-	74,516	-
	TOTAL	-	92,244	-
ROXBORO	SPOT	-	-	-
	CONTRACT	-	26,993	-
	FIXED TRANSPORTATION/ADJUSTMENTS	-	284,431	-
	TOTAL	-	311,424	-
ALL PLANTS	SPOT	-	-	-
	CONTRACT	-	44,721	-
	FIXED TRANSPORTATION/ADJUSTMENTS	-	690,632	-
	TOTAL	-	$ 735,353	-

Notes: No coal was received in February 2020. The delivered costs reflected above include prior period corrections in addition to fixed transportation and other adjustments.

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

FEBRUARY 2020

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	-	-	-	-
ROXBORO	-	-	-	-

Notes: No coal was received in February 2020.

Schedule 9

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

FEBRUARY 2020

	BRUNSWICK	HARRIS	MAYO	ROXBORO
VENDOR	Hightowers Petroleum Co.	Hightowers Petroleum Co.	Greensboro Tank Farm	Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0
GALLONS RECEIVED	7,510	7,527	52,718	165,460
TOTAL DELIVERED COST	$ 13,631	$ 11,590	$ 105,219	$ 330,492
DELIVERED COST/GALLON	$ 1.82	$ 1.54	$ 2.00	$ 2.00
BTU/GALLON	138,000	138,000	138,000	138,000

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2019 - February, 2020
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	**7,722,913**	**938**	**93.73**	**93.57**
Brunswick 2	**7,083,671**	**932**	**86.53**	**86.87**
Harris 1	**7,634,599**	**964**	**90.16**	**89.46**
Robinson 2	**6,392,460**	**744**	**97.82**	**93.36**

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2019 through February, 2020
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,361,110	225	68.87	79.83
Lee Energy Complex	1B	1,350,055	227	67.71	79.42
Lee Energy Complex	1C	1,353,045	228	67.56	78.35
Lee Energy Complex	ST1	2,616,159	379	78.58	85.96
Lee Energy Complex	Block Total	6,680,369	1,059	71.81	81.62
Richmond County CC	7	1,222,410	194	71.73	82.94
Richmond County CC	8	1,195,802	194	70.17	81.88
Richmond County CC	ST4	1,377,771	182	86.18	90.15
Richmond County CC	9	1,178,830	216	62.13	70.47
Richmond County CC	10	1,194,101	216	62.94	71.12
Richmond County CC	ST5	1,600,424	248	73.47	76.48
Richmond County CC	Block Total	7,769,338	1,250	70.76	78.35
Sutton Energy Complex	1A	1,379,774	224	70.12	81.09
Sutton Energy Complex	1B	1,373,141	224	69.79	78.83
Sutton Energy Complex	ST1	1,662,184	271	69.83	86.87
Sutton Energy Complex	Block Total	4,415,099	719	69.91	82.57
Asheville CC	ACC CT5	352,861	106	37.95	99.86
Asheville CC	ACC CT7	185,544	93	22.92	99.14
Asheville CC	ACC ST6	142,098	39	41.32	95.63
Asheville CC	Block Total	680,503	238	32.67	98.90

Notes:
• Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2019 through February, 2020

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,318,554	746	20.12	79.08
Roxboro 2	1,334,301	673	22.57	81.24
Roxboro 3	2,284,475	698	37.26	74.16
Roxboro 4	2,434,643	711	38.98	82.11

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2019 through February, 2020
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	592,775	192	38.44	96.24
Asheville 2	309,604	192	20.08	92.93
Roxboro 1	555,011	380	16.63	72.64

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2019 through February, 2020
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	339,575	366	88.76
Blewett CT	-619	68	96.98
Darlington CT	21,282	766	92.05
Richmond County CT	1,576,505	934	87.61
Sutton Fast Start CT	215,321	98	92.03
Wayne County CT	135,502	963	94.62
Weatherspoon CT	-200	164	82.22

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2019 through February, 2020
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	-421	27.0	0.00
Marshall	-285	4.0	3.04
Tillery	223,913	84.0	84.02
Walters	448,240	113.0	68.36

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2019 through February, 2020
Pre-commercial Combined Cycle Units

Note: The Power Plant Performance Data reports are limited to capturing data beginning the first full month a station is in commercial operation. During the months specified below, Asheville CC produced pre-commercial generation.

Production Month	Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
November 2019	Asheville	ST8	97	n/a	n/a	n/a
December 2019	Asheville	ST8	-	n/a	n/a	n/a
January 2020	Asheville	ST8	-	n/a	n/a	n/a
February 2020	Asheville	ST8	-	n/a	n/a	n/a

Notes:

Asheville CT5 and ST6 were placed in service during December 2019, and Asheville CT7 was placed in service during January 2020; pre-commercial generation for those units is presented on the Twelve Month Summary for Combined Cycle Units.